

SKALA, I.; VULTERINOVA, M.; KRONDL, A.

Investigations of fat and nitrogen balance in patients following  
resection of the small intestine. Rev. czech. med. 10 no.2:  
113-123 '64

1. Institute of Human Nutrition, Prague; Director: Prof.  
J.Masek, M.D., D.Sc.

VULTERINOVA, M

EXCERPTA MEDICA Sec 9 Vol 13/6 Surgery June 59

3278. THE RESULTS OF LONG-TERM OBSERVATIONS OF 200 PATIENTS AFTER GASTRECTOMY FOR PEPTIC ULCER WITH DIFFERENT TYPES OF POSTOPERATIVE CARE - Výsledky dlouhodobého sledování nemocných po resektce žaludku pro vřed při různém způsobu pooperační péče - Vulte-  
rinová M., Doberský P. and Vítkovský Z. Úst. pro Výzkum  
Výživy Lidu, Praha - ČSL GASTROENT. VYZ. 1958, 12/3-4 (223-229)  
Graphs 6

The importance of regular control examinations of the patients after gastrectomy combined with dietary instructions is stressed, in order to prevent deficiency syndromes. Special attention was paid to the red blood elements, where the authors found throughout the period of 4 yr. a decreased haemoglobin and erythrocyte level. Attention is drawn to the impaired iron absorption before the operation and during the 4-year control after operation as one of the numerous factors in the development of postresectional anaemias.

~~ADDITIONAL INFORMATION~~ AND INADEQUATE NUTRITIONAL.

VITKOWSKY, Zdenek, MUDr.; VISLOCKY, Boris, MUDr.; VULTERINOVA, Marie, MUDr.;  
PLACER, Zdenek, RMDr.

Incomplete pancreatic fistula following gastrectomy. Cesk.  
gastroenter. 9 no.4:259-280 Dec 55.

1. Ustav pro klinickou a experimentalni chirurgii, Praha, reditel  
doc. MUDr. B. Spacek Ustav pro vyzkum vyzivy lidu, Praha, reditel  
doc. MUDr. J. Masek.

(PANCREAS, fistula,  
incomplete, postgastrectomy)

(FISTULA,  
pancreas, incomplete, postgastrectomy)  
(STOMACH, surgery,  
postop. pancreatic fistula, incomplete.)

PIRK, F.; VULTERINOVA, M.

Effect of gastric acidity on the rate of passage through the small intestine in patients after stomach resection. (Roentgenological study). Cesk. gastroent. vyz. 17 no.1: 10-19 Ja '63.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel prof. dr. J. Masek, DrSc.

(GASTRECTOMY) (GASTRIC ACIDITY DETERMINATION)  
(INTESTINE, SMALL) (RADIOGRAPHY)

PIRK, F.; VULTERINOVA, M.

Influence of gastric acidity on the transit time through the small intestine in patients after gastrectomy. Rev. Czech. med. 9 no.3:145-155 '63.

1. Institute of Human Nutrition, Prague, Director: Prof. J. Masek, M.D., D.Sc.

(GASTRIC ACIDITY DETERMINATION)

(POSTGASTRECTOMY SYNDROMES)

(INTESTINE, SMALL) (STOMACH)

(NUTRITION DISORDERS) (RADIOGRAPHY)

VULTS, M. F.

42045: VULTS, M. F.; ROSHERINA, G. P.; OVSIYINKO, D. YE. - Vliyanie pempertury na sostav i intensivnost' rclcevskogo rassejaniya u zhiokostey. (Doklad i preniya). Izvestiya akad. nauk SSSR, Seriya fiz., 1948, No. 5, S. 601-07. - Bibliogr: 5 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948.

VULTUR, Ioan, ing.; BOCAN, Gh., ing.

Contributions of the innovation movement in the mechanization  
field. Rev caiilor fer 13 no.2:75-78 F '65.

L 55168-65

EXP(t)/EXP(b) JO

ACCESSION NR: AP5017640

RU/0017/64/000/008/0370/0377

AUTHOR: V. Yu. V. (Engineer, Candidate of technical sciences)

TOPIC: The effect of the pressure of the second gas and vapor pressure maximum

in the metal coating of foundry equipment

TOPIC: metal coating foundry equipment

ABSTRACT: This is a description of the conditions for the occurrence of a second gas in the metal coating of foundry equipment. The results of experiments in this regard performed on the metal coating of foundry equipment are presented.

KEYWORDS: metal coating foundry equipment; second gas; vapor pressure maximum

NR REF SOV: 002

OTHER: 007

JPRS

Card 1/1



Vulykh, A.K.

130-3-4/21

AUTHORS: Ginzburg, B. I., Vulykh, A.K., Liseyenko, I.I. and  
Elimenko, D. G.

TITLE: Mechanical Gland sealing of a hot-blast stove burner.  
(Mekhanicheskoye sal'nikovoye uplotneniye gorelki  
vozdukhonagrevatelya).

PERIODICAL: Metallurg, 1958, No.3, pp. 7-10 (USSR).

ABSTRACT: The authors describe how at the imeni Petrovskiy  
(imeni Petrovskogo) works, where lack of space prevents  
the use of standard isolating devices for the Copper  
stoves, a mechanically clamped seal with interchangeable  
connecting pipe and lid was developed and introduced.  
The arrangement is moved with a monorail and the joint  
is liberally greased. At the end of the "on gas"  
period the connecting pipe is moved back and the lid  
is bolted on.  
There are 3 figures.

ASSOCIATION: Petrovskiy Works. (Zavod im. Petrovskogo).

AVAILABLE: Library of Congress.

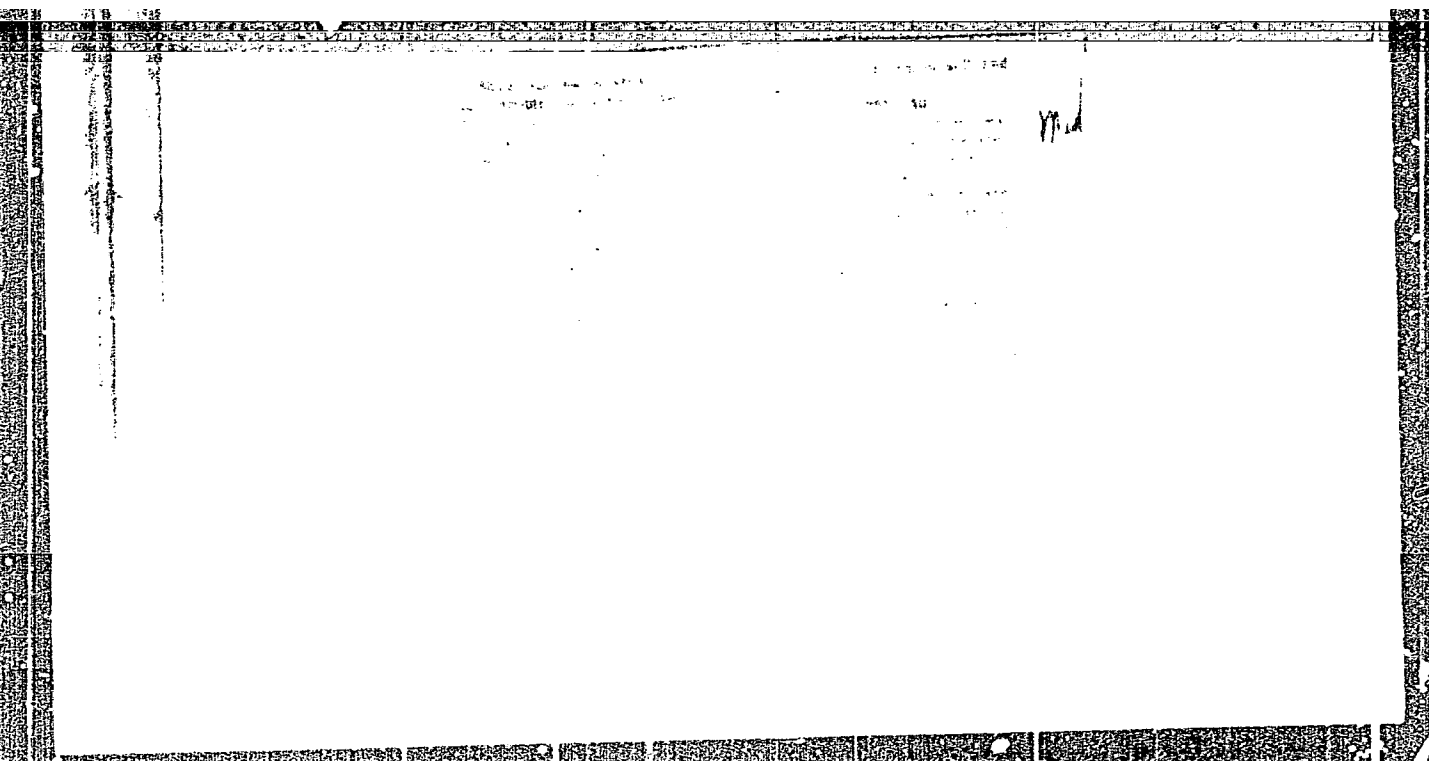
Card 1/1

STEFANOV, Manol, inzh.; VUNCHEV, Todor, inzh.

A briquette plant for the heat and power complex Maritsa-Iztok.  
Elektroenergiia 13 no.5/6:54-60 My-Je '62.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961310016-3



APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961310016-3"

VUNDER, M. A.

Vunder, M. A. - "The problem of the sugar, lactic acid and cholesterin content in the blood in cerebral hypertensicn," Trudy Tsentr. in-ta psikhiatrii, Vol. IV, 1949, p. 180-87

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

IVANOVA, I.I.; VUNDER, P.A.

Compensatory hypertrophy of the adrenal glands at different time intervals after partial decortication of the cerebral hemispheres in rats. Nauch.dokl.vys.shkoly; biol.nauki no.4:84-88 '62.

(MIRA 15:10)

1. Rekomendovana kafedroy fiziologii zhivotnykh Saratovskogo gosudarstvennogo universiteta im. Chernyshevskogo.

(ADRENAL GLANDS) (CEREBRAL CORTEX)

VUNDER, P. A.; LAPSHINA, V. F. (Saratov)

Role of the adrenals in disorders of the sexual cycle following functional exclusion of the thyroid gland. Probl. endok. i gorm. 8 no.3:19-23 My-Je '62. (MIRA 15:6)

1. Iz kafedry fiziologii zhivotnykh (zav. - prof. P. A. Vunder) Saratovskogo gosudarstvennogo universiteta imeni N. G. Chernyshevskogo.

(THYROID GLAND—SURGERY) (ADRENAL GLANDS)  
(ESTRUS)

IVANOVA, I.I., dotsent; VUNDER, P.A., prof. (Saratov)

Strumous effect of methylthiouracil in rats in partial decortication of the cerebrum. Prohl.endok.i gorm. no.4:45-50 '62.

(MIRA 15:11)

1. Iz kafedry fiziologii zhivotnykh (zav. - prof. P.A. Vunder)  
Saratovskogo gosudarstvennogo ordena Trudovogo krasnogo znameni  
universiteta imeni N.G. Chernyshevskogo.

(URACIL)

(GOITER)

(CEREBRAL CORTEX)

LIST AND INDEX		PROCESSES AND PROPERTIES INDEX	
<p>The function of the ovary and the pituitary body of amphibians in relation to captivity and hunger. P. A. Vungia. <i>Bull. biol. med. exp. U. R. S. S.</i> 5, 342-4 (1959). <i>Chem. Zentr.</i> 1940, II, 782; cf. C. A. 34, NRSP.</p> <p>From expts. in which frogs were injected intraperitoneally with pituitary it was concluded that captivity for long periods and deficient diet considerably reduce the sensitivity of the ovary toward the gonadotropic hormone. Under such conditions the gonadotropic activity of the pituitary body undergoes a sharp reduction. Thus, recently captured animals should be used for the production of the ovulation reaction in the frog. M. G. Moore</p>			
<p>ASB SLE METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>FROM 1310211</p>		<p>FROM 1310211</p>	
<p>1310211</p>		<p>1310211</p>	



114

The influence of hypophysectomy on the reactivity of the amphibian ovary. P. A. Vunder, *Bull. Acad. med. exp. U. R. S. S. 5, 451-3(1958); Chem. Zentr. 1959, I, 3751.* - The pituitary body was removed from sexually mature females of *Rana esculenta*. An aq. suspension containing the material from 2 to 3 pituitary bodies from the same species was injected intraperitoneally into the animals 1, 7, 10, 12, 14 or 15 days after the operation and the

percentage of frogs reacting to the injection by ovulation decreased. The controls were normal females which had been in captivity for an equal period and which received the same dose of the pituitary suspension. The capacity for ovulation was already greatly reduced the 4th day after hypophysectomy and the pituitary injections were entirely ineffective 14-15 days after the operation. This is particularly worthy of note because degenerative changes in the ovaries could not be observed until several months after removal of the pituitary. M. G. Moore

1ST AND 2ND LEVELS		PROCESSING AND PREPARATION INDEX		3RD AND 4TH LEVELS	
<p>PC</p>		<p>Relationship between yearly sexual cycle and function of ovary and pituitary gland in anura. P. A. Vostan (Abh. Steklov. Serlov. Biol. Ser., 1939, 1, 44-50).—Several months before the natural spawning period, the ovaries of <i>Rana ridibunda</i> contain many large, ripe eggs. Premature ovulation is brought about in the spring by injecting small amounts of gonadotropic material from the pituitary gland. The eggs deposited are rendered fertile by artificial treatment with semen. In autumn and winter much larger quantities of the material are required to cause the more difficultly achieved ovulation. Since the activity of the material is not subject to seasonal variations, the difference is due to seasonal variations in the sensitivity of the ovaries. W. McC.</p>		<p>A-4</p>	
<p>ASH-51A METALLURGICAL LITERATURE CLASSIFICATION</p>					
<p>1ST LEVEL</p>		<p>2ND LEVEL</p>		<p>3RD LEVEL</p>	
<p>1ST LEVEL</p>		<p>2ND LEVEL</p>		<p>3RD LEVEL</p>	

BC

Ovarian function and pituitary activity in captive osseous. P. A. VERNER. (Abh. Staatsuniv. Harar, Biol. Ser., 1939, 1, 50-60).—When kept captive for not less than 30 days, female *Rana ridibunda* lose their capacity to ovulate on receiving injections of gonadotropic material from the pituitary gland but the material from the pituitary glands of males and females kept captive for 4-5 months has low gonadotropic activity. The season at which captivity begins does not affect the results. Possibly inadequate nutrition in captivity is responsible for the loss of capacity to ovulate.

W. McC.

PROCESSING AND PROPERTY NOTES	
<p>ca</p> <p>Reciprocal action of hormone and antihormone. P. A. Vonder. <i>Bull. biol. med. exp.</i> U. R. S. S. 6: 48-50 (1938). <i>Chem. Zentr.</i> 1940, I, 2084. — In contrast to prolan, antiprolan is destroyed by 0.1 N NaOH in 24 hrs. With the help of this reaction it is possible to destroy the antiprolan in a mixt. of prolan and antiprolan and thus restore the activity. It appears that antiprolan does not destroy prolan <i>in vivo</i>, although it sometimes can ppt. the prolan.</p> <p>M. G. Moore</p>	<p>11F</p>
<p>ASB, ILLA METALLURGICAL LITERATURE CLASSIFICATION</p>	
<p>FROM: 1938-1940</p>	<p>TO: 1941-1945</p>
<p>1938 1939 1940 1941 1942 1943 1944 1945</p>	<p>1946 1947 1948 1949 1950 1951 1952 1953 1954 1955</p>

*ca*

The problem of the artificial production of a double pregnancy. I. Are the fertilization and development of the ovum produced in the rabbit during pseudopregnancy possible? P. A. Yundt and A. L. Paducheva. *Vestnik Akad. Sel'skokhoz. Nauk V. I. Lenin. Inst. Zhiivotovodstva* 11, 108-215 (1930); *Chem. Zentr.* 1940, II, 2322-3.— Simultaneously with the injection of prolactin, sperms were introduced into the uterus of a rabbit in a state of pseudopregnancy. No fertilization occurred because the motility of the sperms in the female genital tract was destroyed.  
M. G. Moore

*HF*

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

11F

Are the prolans of the urine and of the blood of pregnant women identical in their action? P. A. Vunder and N. K. Lising. *Bull. biol. med. appl. U. R. S. S. 9, 27-9 (1941)* (in English).—The injection of the blood of pregnant women, placental blood or urinary prolactin into chicks or sparrows has no effect on the development of their genital glands, but injection of the gonadotropic substance of pregnant mare serum causes a marked increase in the wt. of the glands. There is thus no confirmation of the statement of other investigators that urinary prolactin and blood prolactin of pregnant women differ in their action.

N. A. Kartala

PROCESSING AND PROPERTIES INDEX	
11F	<p><i>ca</i></p> <p>New test object for determination of the thyrotropic hormone. P. A. Vunder and K. O. Vibe. <i>Compt. rend. Acad. sci. U. R. S. S.</i> 28, 357-9 (1940) (in English).—It is proposed to use specimens of <i>Passer domesticus</i> in place of chicks as test objects, because of the difficulty of obtaining chicks in the winter months, because of the great variations existing in the wt. of the thyroid glands of chicks and because of the greater susceptibility of the sparrows to the thyrotropic hormone. Expts. were carried out during the winter months with sparrows subjected to subcutaneous injections, twice daily, for 6 days, with various doses of alk. ext. from human hypophyses, both filtered and unfiltered. On the 7th day the sparrows were killed with <math>\text{CHCl}_3</math> and the thyroid glands removed, weighed and subjected to histological treatment. The results (tabulated) show that increase in dosage leads to increase in thyroid wt. No difference was recorded in the sensitivity of the 2 sexes. The capacity for increasing the epithelial height is markedly lowered by the process of filtration. Ext. equiv. to 1 mg. of the hypophyseal substance induces marked increase in the height of the epithelium follicles. With a 3-mg. dose a sharp increase in the thyroid wt. and height of the epithelium occurs. Concn. of the injections in one day reveals that 2 hrs. after the first injection changes in epithelial height are observable, and within 24 hrs. the thyroids increase in wt., the max. wt. and histological reaction being reached after 48 hrs., after which regression sets in. 2 references.</p> <p>A. H. Krappe</p>
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p> <p>11F</p>	

<p>CA</p> <p>11H</p> <p><b>MECHANISM OF AUGMENTATION EFFECT CAUSED BY ADDING ZINC SALTS TO THYROTROPIC EXTRACTS.</b> P. A. Yumder and R. B. Yung. <i>Compt. rend. acad. sci. U. S. S. R.</i> 29, 654-6 (1940) (in English); cf. <i>C. A.</i> 35, 2581<sup>1</sup>.—Acetonized ox pituitary was reduced to powder and extd. with 0.1 N NaHCO<sub>3</sub> for 24 hrs. The ext. was centrifuged, adjusted to pH 7.5 and divided into 3 portions contg. 2 mg. pituitary per cc. To the 2nd portion was added 1.0-1.5 mg. Zn(OAc)<sub>2</sub> per cc. The 3rd portion was similarly treated and sepd. by centrifuging into fluid and ppt. (mainly ZnCO<sub>3</sub>), which was emulsified with 0.1 N NaHCO<sub>3</sub> and brought to pH 7.5. All exts. were tested on groups of 5 day-old White Leghorn chicks by injection of 2 doses of 0.5 cc. per day for 5 days. The change of wt. in the thyroid glands (normal wt. 3-4 mg.) was taken as a criterion of the presence and degree of thyrotropic response. The tabulated results indicate that the augmentation of the thyrotropic effect by Zn(OAc)<sub>2</sub> up to 93-100% is due to partial or complete pptn. of the thyrotropic hormone by formation of Zn(OH)<sub>2</sub> and ZnCO<sub>3</sub>, and consequent retarded absorption of the sepd. hormone. FeCl<sub>3</sub> and NiSO<sub>4</sub> in corresponding concns. fail to influence the activity.</p> <p>C. R. Addinall</p>	
<p>ASD-51A METALLURGICAL LITERATURE CLASSIFICATION</p> <p>FROM 50-1179</p> <p>50-1179</p>	



PROCESSING AND PROPERTY INDEX																									
MATERIALS INDEX													PROPERTY INDEX												
<p>Does the administration of thyrotropic hormone produce a refractory condition in birds? F. A. Vunder, Z. V. Pomelissova and K. O. Viebe. <i>Compt. rend. acad. sci. U. R. S. S.</i> 30, 267-8(1941); <i>Chem. Zvest.</i> 1943, 11, 2489.</p> <p>In 1 series of expts., chickens received daily injections of 0.5 mg. of ext. of human pituitary gland powder. After 32 days the thyroid glands of the injected animals were no different from those of controls. In another series, daily injections of 10 mg. dried cattle pituitary gland powder resulted in no histological differences of the thyroid gland, when examd. on the 32nd day of injection, in the test animals compared to controls. The former were 40% heavier. Blood taken from birds receiving injections for 32 days had the ability completely to neutralise the effect of the thyrotropic hormone. Maurice M. Rath.</p>																									
<p>ASB-51A DETAILING LITERATURE CLASSIFICATION</p>																									

CA

114

Is the gonadotropic activity of the pituitary body in lower vertebrates increased by Zn salts? P. A. Vantier. *Compt. rend. acad. sci. U. R. S. S.* 39, 38-40(1963).

Intramuscular or subcutaneous injection of the ext. of 0.5-3.0 pituitary glands of *Rana ridibunda* males into females of the same species produced little reaction (ovulation), but addn. of 0.5-2.0 mg.  $ZnSO_4$  to the exts. brought about reaction in 60-80% of the females. R. E. Reeves

ASU-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
PROCESSES AND PROPERTIES INDEX																			
<div style="display: flex; justify-content: space-between;"> <span>CO-</span> <span>115</span> </div> <p>                     / Direct action of hormones on effector organs. P. A.                      Yumakov. <i>Advances in Modern Biol.</i> (U.S.S.R.) 20, 251-3                      (1945) (in Russian).—Short review; 10 references.                      N. Thom                 </p>																			
ASR-51A METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									

<p>ca</p> <p>11 F</p> <p>The influence of estrogens upon the thyrotropic reaction. P. A. Yunker (Saratov State Univ., U.S.S.R.). <i>Compt. rend. acad. sci. U.S.S.R.</i> 48, 602 4(1945)(in English).—Five-day old chicks received intramuscularly oil suspensions of 5000 mouse units of either folliculin benzoate, <math>\alpha</math>-folliculin, or stilbestrol daily for 10 days. After the 6th day one daily subcutaneous injection of an alk. ext. of bull pituitary followed each estrone injection for 5 more days. Folliculin benzoate increased the wt. of the oviducts nearly 10 times over that of the control group which received the oil without the estrones. The thyroid bodies of the control chicks were slightly larger than those of the exptl. animals but the difference was not significant. Stilbestrol (1.5 mg.) increased the wt. of the oviducts 100 fold but the thyrotropic reaction in the exptl. and control animals was the same. <math>\alpha</math>-Folliculin in 1 mg. daily doses was equiv. in its activity to 0.4 mg. doses of stilbestrol. It is concluded that these estrogens cannot be regarded as agents which inhibit the action of the thyrotropic hormone. Those cases reported in the literature where recovery from Basedow's disease took place after estrogen therapy must be interpreted in the sense that recovery took place because of a decrease in the secretion of thyroid-stimulating substances from the pituitary rather than to the direct influence of the sex hormone and an inhibitory effect of the thyrotropic hormone on the gland itself. H. V.</p>	
<p>ASB-56A METALLURGICAL LITERATURE CLASSIFICATION</p>	
<p>REGION DIVISION</p>	<p>REGION DIVISION</p>
<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>	<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>

VUNDER, P. A. (Saratov)

"Modifiers of the Hormone Action" (p.31) by Vunder, P. A.

SO: Advances In Modern Biology (Uspekhi Sovremennoi Biologii) Vol XXI, No. 1, 1976

ca

Experimental production of biologically imperfect col-  
loids in the thyroid gland. Analysis of the action of sul-  
finilene and methylthiouracil in the thyroid gland. P. A.  
Yundez and I. I. Ivanova. *Compt. rend. acad. sci.*  
*U.R.S.S.*, 50, 333-6 (1947); *Chem. Zentr.*, 1947, II, 913;  
cf. C.I. 42, 8064b.---Expts. on rats showed that both  
sulfinilene and methylthiouracil caused a discrepancy be-  
tween the histological appearance of the thyroid and its  
ability to induce metamorphosis in tadpoles. This  
points to the formation of a biologically imperfect, hor-  
mone-poor colloid in the thyroid gland. M. G. Moore

Saratov State U.

ASU-55A METACOLOGICAL LITERATURE CLASSIFICATION

CA

Enhancement of the gonadotropic reaction in animals treated with methylthiouracil. P. A. Yundler and V. P. Lapshina (N. G. Chernyshevskii State Univ., Saratov). *Doklady Akad. Nauk S.S.S.R.* 58, 1857-60(1947).—Rats fed

20 mg. methylthiouracil daily show a slight increase of ovary action and the reaction to hypophysis ext. is much stronger than normal. When tests were made with gonadotropins such as female horse blood serum and hypophysis ext. contg.  $\text{CuSO}_4$  for retardation of its absorption into the blood stream, the results in the 2nd case showed nearly normal ovarian reaction in animals kept on methylthiouracil. Hence, block of the thyroid gland function increases the ovarian reaction to hypophysis ext. in rats and the event is similar to that obtained with thyroidectomy. G. M. Kosolapoff

ca

11-H

Intensification of the thyrotropic reaction in chicks on the base of introduced methylthiouracil. P. A. Vukobrat, Doklady Akad. Nauk S.S.S.R. 60, 741-4(1948). - Injection of hypophysis ext. into 5 day chicks previously treated with methylthiouracil or sulfapyridine showed the hypophysis ext. on the background of methylthiouracil gives a much intensified thyrotropic reaction, lesser effect occurs when methylthiouracil is fed after the hypophysis ext. injection. The ext. was used at 2.5 mg. daily level, methylthiouracil at 5-10 mg. daily level. Sulfapyridine (100 mg. daily) does not exhibit this intensifying action, but tends to repress it. G. M. Korotkiy

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM DIVISION

FROM DIVISION

CLASSIFICATION

CLASSIFICATION



VUNDER, P. A.

"Thyroid Gland And Reaction To Hormones." (p. 141-144) by Vunder, P. A. (Saratov)

SO: PROGRESS OF CONTEMPORARY BIOLOGY (Us. Sovrem. Biol) Vol. XXVII 1949 No. 1 (Jan.-Feb.)

ca

The action of thyroidin on the speed of regeneration of metamorphogenic activity of thyroid altered by methylthiouracil. P. A. Vunder and I. Ivanova. Doklady Akad. Nauk S.S.S.R. 200: 537 (1970). Preceding 25 mg. methylthiouracil daily for 9 days to rats, followed by 10 mg. daily of thyroidin for 4-10 days causes a decrease of hypertrophy of the thyroid, or even its decline to subnormal wt., along with a decrease in the height of the follicular epithelium. Chickens (10 mg. daily dosage) give similar results, but the effect of thyroidin occurs only if its administration is begun shortly after stoppage of methylthiouracil. The over-all result is the stimulation of formation of the colloid in the thyroid gland by thyroidin, along with a repression of accumulation of the hormone.

G. M. Kosolapoff

11 H

Saratov State U

ASB-55.4 METALLURGICAL LITERATURE CLASSIFICATION

VUNJER, P.A.

Hormone diagnosis of pregnancy, using male frogs, *Rana ridibunda*.  
Akush.gin. No.2:40-42 Mr-Apr '50. (CJML 19:2)

1. Of the Department of Animal Physiology of Saratov State University imeni N.G.Chernyshevskiy.

CA

//F

Retardation of sexual cycle by chemical block of thyroid with methylthiouracil. P. A. Vunder, N. P. Smirnova, and R. I. Lichman (N. G. Chernyshevskii State Univ., Saratov). *Doklady Akad. Nauk S.S.S.R.* 72, 1203-6 (1950).—Feeding of methylthiouracil (best 20-60 mg. daily) leads to a lengthening of the estral cycle of female rats by a factor of 2-3 (30-60-day expt.), especially noted at 50-60-mg. dosage; at 20-mg. dosage the effect is weak. A rapid return to normal occurs on stoppage of the drug. Thyroidectomy gives a similar but usually less defined effect. O. M. Kozolapoff

CA

Action of sulfapyridine on chick thyroid. P. A. Yurkevich  
(N. G. Chernyshevskii State Univ., Saratov). Doklady  
Akad. Nauk S.S.S.R. 73, 231-3(1950).—Gastrogenic  
effect of sulfapyridine is expressed very weakly in chicks;  
regardless of dosage, however, the metamorphogenic ac-  
tivity in the gland declined. With previous injection of  
thyrotropic ext. of hypophysis the activity of the thy-  
roid declines further. Combined action of 10 mg. methyl-  
thiouracil and 100 mg. sulfapyridine gives a modified ef-  
fect in that the hypertrophy of thyroid is lessened but the  
metamorphogenic activity is severely depressed.  
G. M. Koudapoff

VUNDER, P. A.;GOROKHOVA, L. V.

Estrogenous effect of local anesthetics. Doklady Akad. nauk  
SSSR 83 no.4:625-628 1 Apr 1952, (CLML 22:2)

1. Presented by Academician A. D. Speranskiy 8 February 1952.
2. Saratov State University imeni N. G. Chernyshevskiy.

VUNDER, P.A.

VUNDER, P.A., professor, (Saratov)

Significance of the nervous system and of its higher segments  
in reaction of the thyrotropic hormone. Probl. endokr. i gorm.  
1. no.2:15-20 Mr-Apr '55. (MLRA 8:10)

1. Iz kafedry fiziologii (zav.-prof.P.A.Vunder) Saratovskogo  
universiteta imeni N.G.Chernyshevskogo.

(REFLEX, CONDITIONED,

thyrotropic reaction in animals)

(PITUITARY GLAND, ANTERIOR, hormones,

thyrotropin, conditioned reaction in animals)

VUNDER, P.A.; SPRYSKOVA, N.A.

Effect of decerebration on intensification of reactions of the thyroid to methylthiouracil and thyrotropic hormone. Biol. eksp. biol. i med. 40 no.11:16-19 N. '55. (MLRA 9:1)

1. Iz kafedry fiziologii zhivotnykh (zav. - prof. P.A. Vunder) Saratovskogo gosudarstvennogo universiteta imeni N.G. Chernyshevskogo.

(BRAIN, physiology,

eff. of decerebration on thyroid reactions to methylthiouracil & thyrotropic hormone in chicks)

(THYROID GLAND, physiology,

eff. of decerebration on reactions to methylthiouracil & thyrotropic hormone in chicks )

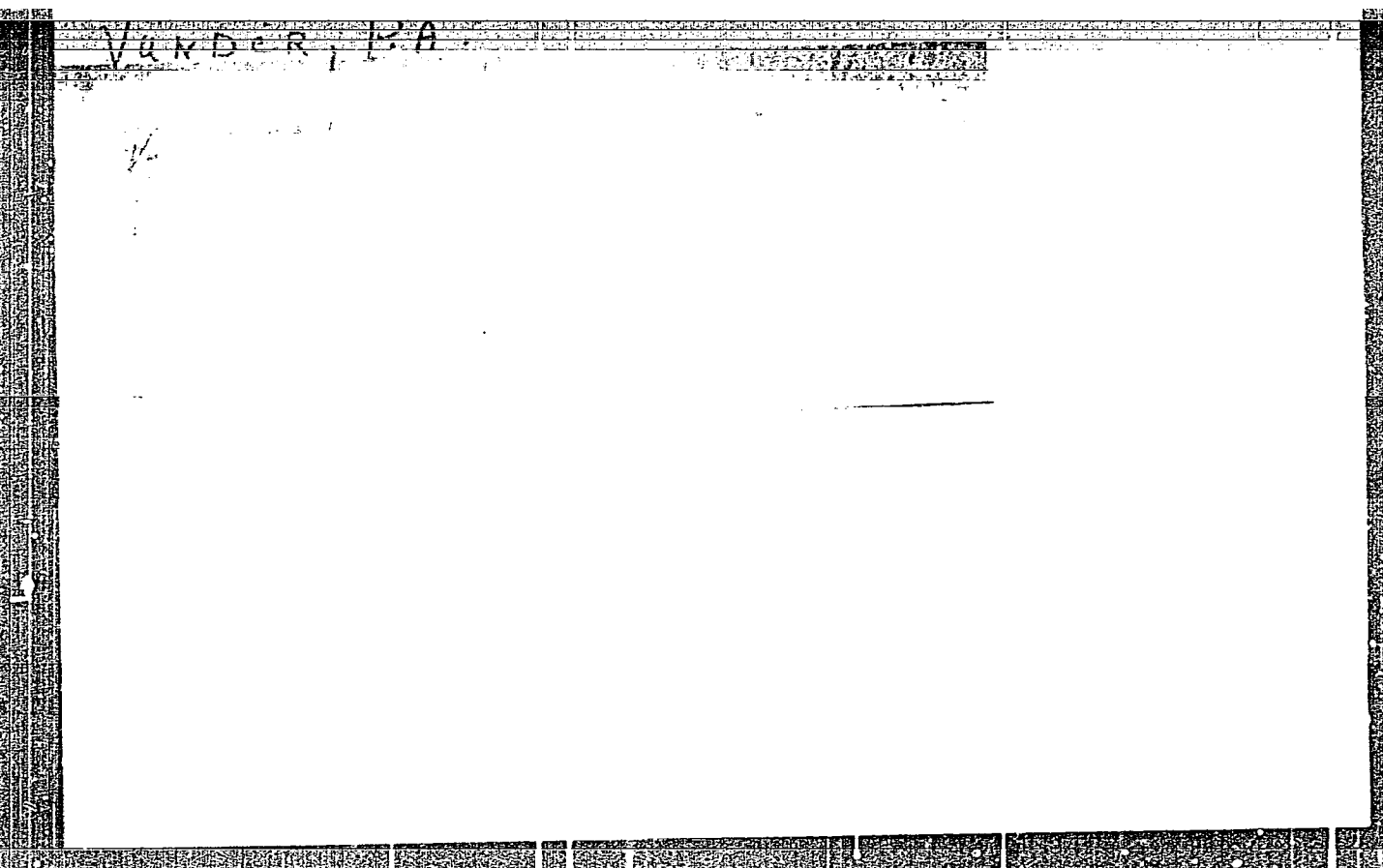
(THIOURACIL, derivatives,

methylthiouracil, eff. on thyroid in decerebrated chicks.)

(PITUITARY GLAND, ANTERIOR, hormones,

thyrotropic hormone, eff. on thyroid in decerebrated chicks)





VUNDER, P.A., prof., red.; IVANOVA, M.V., red.

[Endocrine interrelationships in animals with removed cerebral cortex] Endokrinnye vzaimootnosheniia u zhi-  
votnykh s udalennoi koroi golovnogo mozga. Saratov,  
Izd-vo Saratovskogo univ., 1965. 75 p. (MIRA 19:1)

VUNDER, P.A. (Saratov)

Significance of the level of self-regulation in the hypophysis and "peripheral" endocrine glands for physiology and pathology of the endocrine system. Usp. sovr. biol. 59 no.3:433-442 My-Je '65. (MIRA 18:6)

VUNDER, P.A. (Saratov)

Further study of the role of the thyroid gland in the  
reaction of a chick's comb to testosterone propionate.  
Probl. endok. i gorm. 9 no.3:34-40 My-Je '63.

(MIRA 17:1)

1. Iz kafedry fiziologii zhivotnykh (zav. - prof. P.A.  
Vunder) Saratovskogo gosudarstvennogo universiteta imeni  
N.G. Chernyshevskogo.

VUNDER, P.A.

Autumnal reproduction of geese induced by differentiated light regime. Nauch. dokl. vys. shkoly; biol. nauki no.3:75-77 '63.  
(MIRA 16:9)

1. Rekomendovana kafedroy fiziologii zhivotnykh Saratovskogo gosudarstvennogo universiteta im. N.G.Chernyshevskogo.  
(Geese) (Reproduction) (Light—Physiological effect)

VUNDER, P.A., prof. (Saratov)

Principle of "plus-minus interaction" between organs nad its significance for endocrinology in the light of current information. Probl.endok. i gorm. no.1:117-126 '62.

(MIRA 15:8)

1. Iz kafedry fiziologii zhivotnykh (zav. - prof. P.A. Vunder)  
Saratovskogo gosudarstvennogo ordena Trudovogo Krasnogo Znameni  
universiteta imeni N.G. Chernyshevskogo.  
(ENDOCRINOLOGY)

VUNDER, P.A., prof. (Saratov)

Principle of "plus-minus interaction" between organs and its significance for endocrinology in the light of current information. Probl.endok. i gorm. no.1:117-126 '62.

(MIRA 15:8)

1. Iz kafedry fiziologii zhivotnykh (zav. - prof. P.A. Vunder)  
Saratovskogo gosudarstvennogo ordena Trudovogo Krasnogo Znameni  
universiteta imeni N.G. Chernyshevskogo.  
(ENDOCRINOLOGY)

VUNDER, P.A. (Saratov)

Certain problems in the physiology of thyroid hormone secretion.

Usp.sovr.biol. 48 no.2:233-238 S-O '59.

(MIRA 13:3)

(THYROID GLANDS hormones)



VUNDER, P.A.; LAPSHINA, V.F.

Antithyroid action of para-aminosalicylic acid. Nauch.dokl.vys.  
shkoly;biol.nauki no.4:102-106 '58. (MIRA 11:12)

1. Rekomendovana kafedroy fiziologii zhivotnykh Saratovskogo  
gosudarstvennogo universiteta imeni N.G.Chernyshevskogo.  
(SALICYLIC ACID) (THYROID GLAND)

USSR/Human and Animal Physiology (Normal and Pathological).  
Internal Secretion. Gonads.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79863.

Author : Vunder, P.A.; Lapshina, V.F.

Inst :

Title : Conditioned Reflex of the Estral Reaction.

Orig Pub: Probl. endokrinol. i gormonoterapii, 1956, 2, No 3, 74-80.

Abstract: No abstract.

Card 1/1

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EXCERPTA MEDICA Supp. 3 Vol. 12/5 Endocrinology April 58

Vunder P. A.  
666. GOITROGENIC ACTION OF PAS (Russian text) - Vunder P. A. and  
Lapshina V. F. N.G. Chernyshevskij State Univ., Saratov - PROBL.  
ENDOKR. 1956, 2/4 (76-81) Tables 2

Experiments were carried out on adult male rats (starting weight 282-285 g.), on young male rats (starting weight 110 g.), on 7-day-old chicks of the 'white leghorn' race, and on female mice weighing 18.4-21.3 g. The Na salt of PAS was dissolved in water and introduced 2-3 times daily for 10-20 days into the stomach of rats by means of a tube, in amounts of 60 and 180 mg. per 100 g. body weight. At the end of the experiment, the experimental and control animals were killed, and the thyroid glands were weighed and examined microscopically. One group of animals received PAS only, a second group PAS and potassium iodide (0.5 mg. per rat), and a third group PAS and thyroid extract (10 mg. per 100 g. body weight). The results agreed in experiments on rats and chicks. In animals receiving PAS an enlargement (1.5-2-3 times that of the control gland, depending on the dose and duration of administration of the drug) of the thyroid gland was noted, as well as hyperaemia, hypertrophy, increase in height of the follicular epithelium, decrease of lumen of the follicles, with frequent absence of colloid. Reactivity of thyroid glands in mice was found to be very low toward the action of PAS. Simultaneous addition of potassium iodide decreased by two thirds the goitrogenic effect of PAS, but simultaneous administration of thyroid extract removed it completely.

Lekishvili - Leningrad (S)

VUNDER, P.A.

USSR/Human and Animal Physiology - Internal Secretions.

R-8

Abs Jour : Referat Zhur - Biol., No 16, 1957, 70916

Author : Vunder, P.A.

Title : The Significance of the Nervous System and Its Higher Center in the Thyrotropic Hormone Reaction.

Orig Pub : Probl. endikronol. i gormonoterapii, 1955, 1, No 2, 15-20

Abstract : By the methods of conditioned reflex, pharmacology and surgery, it was shown that the thyrotropic hormone (TH) acts on the thyroid gland not only directly but also through the nervous system. By conditioned reflex TH action was produced: by the influence of conditioned irritants (injections of physiol. solution, painting of the mouth surface with 0.2% solution of quinine, set-up for the test) in marmots and mice there is a delay in normalization of the thyroid structure, previously changed by introduction of sodium extract of anterior pituitary, and also an increase in metamorphogenic activity

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USSR/Human and Animal Physiology - Internal Secretions.

R-8

Abs Jour : Referat Zhur - Biol., No 16, 1957, 70916

of the thyroid gland. The increased irritability of the CNS induced by caffeine leads to the weakening and depressing of the thyrotropic reaction, a fact which indicates cortical regulation of the structure and function of the thyroid. Thyrotropic effect develops also in absence of higher centers of the CNS.: the removal of one or both cerebral hemispheres in 5-8 day old chicks does not inhibit the development of thyrotropic reaction on the introduction of the pituitary preparation. The strength of reaction, determined by the increase in weight of thyroid, appears to be largest on the complete removal of the hemispheres and the introduction of the pituitary preparation from the 11th to 16th day after the operation. The large hemispheres do not appear to be indispensable for the occurrence of the TH influence, but they do regulate and control the action of TH.

Card 2/2

- 45 -

VUNDER, P.A.

VUNDER, P.A. (Saratov)

Role of the thyroid hormone on the reaction of the organism to testosterone propionate [with summary in English, p.125]. Probl. endok. i gorm. 3 no.4:30-35 J1-Ag '57. (MIRA 10:12)

1. Iz kafedry fiziologii zhivotnykh (zav. - prof. P.A.Vunder)  
Saratovskogo gosudarstvennogo universiteta imeni N.G.Chernyshevskogo  
(THYROTROPIC HORMONE, effects,  
on testosterone propionate action in chicks (Rus))  
(TESTOSTERONE, effects,  
on thyrotropic hormone action in chicks (Rus))

VUNDER, P.A.; IVANOVA, I.I.

Effect of barbamil-induced sleep on the goiter-producing effect  
of methylthiouracil. Uch. zap. Sar. un. 64:183-186 '59.

(MIRA 13:9)

(AMOBARBITAL)

(GOITER)

VUNDER, Pavel Abramovich; STAROSTENKOVA, M.M., red.; NAZAROVA, A.S.,  
tekh. red.

[Chemical regulators of life; hormonal regulation of growth  
and development] Khimicheskie regulatory zhizni; o gormonal'-  
noi regulatsii rosta i razvitiia. Moskva, Izd-vo "Znanie,"  
1962. 30 p. (Novoe v zhizni, nauke, tekhnike. VIII Seria:  
Biologiya i meditsina, no.10) (MIRA 15:7)  
(HORMONES)



VUNJAK, N.

"Pegmatites of Dvorice in the Juhor Mountain Region." P. 135.  
(GLASNIK. SERIJA A: MINERALOGIJA, GEOLOGIJA, PALEONTOLOGIJA.  
No. 5, 1952. Beograd, Yugoslavia.)

SO: Monthly List of East European Accessions, (EFAL), LC,  
Vol. 3, No. 12, Dec. 1954, Uncl.

SHIPKOVENSKI, Nikola prof. d-r; KIROV, Ivan, d-r, asistent. RAICHEV, R;  
VURBANOVA, St; DAMIANOV, M. student ot kruzhoka po nevrologia.

Parainfectious encephalitis according to neuro-psychiatric and  
pediatric clinic material observed during 1941-1950. Izv.med.  
inst.Sofia 11-12:581-606 1955.

(ENCEPHALITIS,  
parainfectious, hosp.statist.)

VUNG, V. N.

1ST AND 2ND ORDERS		3RD AND 4TH ORDERS
PROCESSES AND PROPERTIES INDEX		
<p><u>The theory of the burning of portland cement in auto-</u>  <u>thermal shaft kilns.</u> V. N. Vung. <i>Vsesoyuz. Nauch.-</i>  <i>Issledovatel. Inst. Tsement. VNIT's. Sbornik Rabot No.</i>  <i>17, 3-33; Chem. Zentr. 1940, I, 2367; cf. C. A. 32,</i>  <i>7593.</i>—The following topics are discussed on the basis  of expts. carried out by use of a Manstedt kiln and the  work of other German authors: the construction of shaft  kilns for the burning of portland cement, the regulation  of the burning process and the admission of air to the  individual zones of the kiln, the kind and granulation of  the fuel, the chem. and granulometric compn. of the raw  material and the treatment of the clinker after burning.  M. G. Moore</p>		

VUNJAK, Nada

Chemical Abst.  
Vol. 48 No. 9  
May 10, 1954  
Mineralogical and  
Geological Chemistry

Pegmatites of Borica (Jabor) in Serbia. Nada Vunjak.  
*Glasnik Prirodno-Matematicke Znanosti* (Bull. mathemat. hist. nat. pays Serbe) Sér. A, Mineralog., géol., paléontol. No. 5, 135-58 (1952) (English summary).—The pegmatites intrude mica schists. Optical data are given for microcline, garnet, tourmaline, and apatite, and a chem. analysis of the microcline.  
Michael Fleischer

VUNOV B. F.

PA 10T16

USSR/Aurora Borealis  
Magnetism, Atmospheric

Apr 1945

"The Role of Meteoric Fluxes Under the Conditions  
of Magnetic Storms and Polar Aurora," B. F. Vunov,  
20 pp

"Izv Ak Nauk Geograf i Geofiz" Vol IX, No 4

Study based on data gathered in the study of 512  
cases of polar aurora over 19 years and 1103 mag-  
netic storms for 61 years.

10T16

VUNSHTEYN, M., inzh.; GANDZHUNTSEV, I., inzh.

Efficient building tools. Na stroi. Mosk. 2 no.2:26-28 P '59.

(MIRA 12:3)

(Building--Tools and implements)

VUNSHTEYN, M., inzh.; GANDZHUNTSEV, I., inzh.

Efficient manual of building tools. Na stroi. Mosk. 2 no.3:  
26-28 Mr '59. (MIRA 12:5)  
(Building--Tools and implements)

VUNSHTEIN, M., insh.

Cart-containers. Na stroi. Mosk. 2 no.8:13-14 Ag '59.  
(MIRA 12:12)

(Carriages and carts)



VUNSHTEYN, M., inzh.; GANDZHUNTSEV, I., inzh.

Efficient manual building tools. Na stroi. Mosk. no.1:26-27  
Ja '59. (MIRA 12:1)

(Building—Tools and implements)

GANDZHUM'SEV, I., inzh.; VUNSHTEYN, M., inzh.

Efficient manual building tools. Na stroi, Mosk. 1 no. 12:24-25 D '58.  
(MIRA 11:12)

(Building--Tools and implements).

L 6443-66 EWT(1)/EWA(h) IJP(c)

ACC NR: AP5026198

SOURCE CODE: UR/0142/65/008/004/0455/0459

AUTHOR: Kislyakovskiy, A. V.; Vuntosmeri, V. S.

ORG: none

TITLE: Phase relations in the interaction between a ferrite spheroid and the electromagnetic field of a waveguide

SOURCE: IVUZ. Radiotekhnika, v. 8, no. 4, 1965, 455-459

TOPIC TAGS: ferrite, waveguide

ABSTRACT: Phase angles of the transmission and reflection coefficients of a rectangular waveguide are considered, and an experimental verification of the fundamental-mode theoretical formulas is reported. The alternating magnetization of the ferrite spheroid is represented by an equivalent oscillatory system which excites the electromagnetic field in the waveguide. A uniform precession type of magnetization and a ferrite size small in comparison with the wavelength are assumed. Experimental curves of the transmission-factor phase angle and attenuation vs. frequency are shown for a 23 x 10-mm waveguide housing a

Card 1/2

UDC: 621.372.853.2

L 6443-66

ACC IR: AP5026198

1.53-cm diameter ferrite. Knowledge of the phase relations prevailing near ferromagnetic-resonance conditions permits correct selection of the ferrite-spheroid parameters. Orig. art. has: 6 figures and 14 formulas.

SUB CODE: EC/ SUBM DATE: 01Jun64/ ORIG REF: 005/ OTH REF: 000

*beh*  
Card 2/2

AUTHOR: Dokrinckaya A. A.; Kislyakovskiy A. V.; Vuntsemeri V. B.; Kudinov, I. V.

THE RESEARCH AND CONTROL OF THE ...

VUORINEN, Jouko

Application of chemical soil testing methods in Finnish  
agriculture. Agrohem talajtan 12 no.1:167-170 Mr '63.

VUR, ZACLER

ZEMLICKA, Vl., MUDr. Lekar VUR, Zacler.

Cooperation of the Regional Direction of the Public health with  
district physicians. Prakt. lek., Praha 34 no.11:254-256 5 June 54.

(PUBLIC HEALTH,

in Czech., cooperation of regional directions of pub.  
health with district officers)

VURBANOVA, A.

On the differentiating capacity of interoceptive analyzer. Izv. inst.  
fiziol. 5:103-107 '62.

(REFLEX CONDITIONED)



VURBANOVA, A.

On the relationship between extero- and interoceptive conditioned reflexes in pathological changes of the receptor. Izv. inst. fiziol. 5:109-117 '62.

(REFLEX CONDITIONED)

ORMANDZHIYEV, S. [Ormandzhiev, S.]; VYRBANOV, B. [Vurbanov, B.]

Modification of the method of aggregate coincidences in nuclear spectroscopy, by doubling measurement rate. Doklady BAN 17 no.4:377-380 '64.

1. Predstavleno chl.-korr. E.Dzhakovym.

VURBANOV, Dimitur, prof., inzh.

Retaining reservoirs in the mixed and pluvial sewer systems.  
Godishnik Inzh stroit inst 13 no.1:91-107 '61.

VURBANOV, Dimitur, prof. inzh.

Horizontal dimensions of rectangular reservoirs. Godish-  
nik Inzh stroit inst 14 no.1:23-28'62. [publ.'63]

VURBANOV, D.

TECHNOLOGY

Periodical: KHI DROTEKHNIKA I MELIORATSII. Vol. 3, no. 5, 1958.

VURBANOV, D. On the question of the retaining reservoirs with the mixed and rain system of sewers. p. 133.

Monthly List of East European Accession (EEAI), LC., Vol. 8, no. 2,  
February 1959, Unclass.

VURBANOV, I.I.

TECHNOLOGY

Periodical: IZVESTIYA. No. 5/6, 1958.

VURBANOV, KH. Method of trigonometric series for integration of systems of ordinary linear differential equations and its application in the theory of prismatic and slightly pyramidal shells. p. 3.

Monthly List of East European Accessions. (EEAI), LC., Vol., 8, No. 2,  
February, 1959, Unclass.

VURBANOV, Rumen, inzh.

Application of radiation heating to mineral and ore dressing.  
Tekhnika Bulg 13 no.8:12-14 '64.

1. Institute of Mining Geology, Sofia.

PAPAZOV, G.; VURBANOV, V.; DISHLIEV, D.; STAIKOV, T.

Endemic goiter in the Madan-Rudozem mining basin. Suvrem med.,  
Sofia no.3:67-78 '61.

1. Katedra po endokrinologija i bolesti na obmenata, Institut za  
spetsializatsia i usuvurshenstvuvane na lekarite. (Rukov. na  
katedrata prof. Iv. Penchev.)

(GOITER epidemiol)



VURBANOV, V., inzh.

Location of shafts, and possibilities for measuring some  
shaft safety pillars in the Rosen section of the Burgaski  
Medni Mini State Mining Enterprise. Min delo 17 no.12:37-39  
D '62.

1. Durzhavno minno predpriatie "Burgaski medni mini."

PENCHEV, Iv.; VURBANOV, V.; PAPAHOV, G.; DISHLIEV, D.; STAIKOV, T.

Endemic goiter in the western Sub-Balkan region. Suvren.med.,  
Sofia no.6:8-24 '59.

1. Iz Nauchnata grupa po endokrinologija i bolesti na obmianata  
pri ISUL. Nauchen rukovoditel: prof. Iv. Penchev.  
(GOITER statist.)

VURBANOV, V.

Diagnosis and therapy of tuberculous mastitis. Khirurgiia, Sofia  
7 no.6:369-374 1954.

1. Tsentralen voenen gosptial vtoro Khirurgichno otdelenie.  
Nachalnik: B.Popov.

(TUBERCULOSIS,  
of breast, diag. & ther.)  
(BREAST, diseases,  
tuberc., diag. & ther.)

RAIKOV, R., prof.; VOISEKOV, V.; GEFCHIV, AL.

Treatment of combined injuries. (From experiences of the  
surgical team of the Bulgarian medical brigade in Algeria).  
Chirurgia 17 no.2:134-136 '64.

VU  
PENCHEV, I., Prof.; VURBANOV, V.; PAPAHOV, G.; DISHLIEV, D.; STAIKOV, T.

Endemic goiter in Bulgaria according to a survey of students. Suvrem.  
med., Sofia 9 no.8:3-18 1958.

1. Nauchna grupa po endokrinologija i bolesti na obmianata pri ISUL-  
Sofia.

(GOITER, epidemiology,  
endemicity in Bulgaria (Bul))

VURBANOV, V.

PILOSOF, T.; VURBANOV, V.

Gasometric determination of basal metabolism using open and closed systems. Suvrem. med., Sofia 5 no.9:103-110 1954.

1. Iz Klinikata na obmiana na veshchestvata i endokrinologija pri USUL (direktor: prof. Iv. Penchev)  
(BASAL METOBOLISM, determination,  
closed & open gasometric systems)

Vurbanov, V.

ANDREEV, D.; VURBANOV, V.

Case of multiple osseous fibrous dysplasia. Suvrem. med., Sofia  
5 no.3:108-112 1954.

1. Iz klinikata po vutreshni bolesti s obmiana na veshchestvata i  
endokrinologija pri ISUL (direktor: prof. Iv.Penchev)  
(OSTEITIS FIBROSA,)

ORAKHOVATS, D. [deceased]; DRAGANOV, L.; VURBANOV, V.; MARKOV, M.; KIROV, A.;  
PAMPULOV, Z.; NACHEV, Ch.

Simultaneous recording of the arterial pressure, oscillography,  
Korotkov's tones and pressure of the cuff of the brachial artery  
by means of direct measurements in man. Izv. Inst. fiziol. (Sofia)  
7:5-18 '64.



ORAKHOVATS, D. [deceased]; MARKOV, M.; VURBANOV, V.; DRAGANOV, L.

Studies on the development of Korotkov's tones. Izv. Inst. fiziol.  
(Sofia) 7:19-28 '64.

PAPAZOV, G.; VURBANOV, V.; DISHLIEV, D.; STAIKOV, T.

Endemic goiter along the river Iskar in the Sofia Region. Suvr. med.  
12 no.8:47-54 '61.

1. Iz Katedrata po endokrinologija i bolesti na obmianata pri Institutata  
za spetsializatsia i usuvurshenstvuvane na lekarite (Rukov, na kate-  
drata prof. Iv. Penchev)

(GOITER epidemiol)

PAPAZOV, G.; VURBANOV, V.; DISHLIEV, D.; STAIKOV, T.

Endemic goiter among workers of some industries in Sofia.  
Suvr. med. 12 no.10:3-12 '61.

1. Iz Katedrata po endokrinologiya i bolesti na obimata  
PJUL [Institut za spetsializatsiya i usuvurshenstvuvane na  
lekarite] (Rukov. na katedrata prof. Iv. Penchev).  
(GOITER)

ORAKHOVATS, D. [Orakhovats, D.], akad.; MARKOV, M.; ~~WARBANOV, W.~~ [Vurbanov, V.]

Effect of the resistance of soft tissues in the measurement of blood pressure by the Korotkov method. Doklady BAN 15 no.3:333-336 '62.

1. Physiologisches Institut der Bulgarischen Akademie der Wissenschaften. 2. Chlen Redaktsionnoy kollegii, "Doklady Bolgarskoy Akademii Nauk" (for Orakhovats).

\*

VURBANOV, V.

Comparative angliophonographic studies of the brachial artery  
and femoral artery in young and aged subjects. Izv. inst.  
fiziol. (Sofia) 6:179-189 '63.

(AUSCULTATION)	(BRACHIAL ARTERY)
(FEMORAL ARTERY)	(AGING)

ANDREEV, D.; VURBANOV, V.

Peroral treatment of diabetes mellitus. Suvr.med.(Sofia)15  
no.3:55-59 '64.

1. Po materialite ot II mezhdunaroden simpozium po diabeta,  
Karlsburg, GDR.

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VURBANOV, V. G.

Current methods for determining gas metabolism. Suvr. med.  
14 no.4:55-63 '63.

(BLOOD GAS ANALYSIS) (RESPIRATORY FUNCTION TESTS)  
(SPIROMETRY) (TISSUE METABOLISM) (CARBON DIOXIDE)  
(EQUIPMENT AND SUPPLIES)

BULGARIA

V. G. VURBANOV [Affiliation not given.]

"Current Methods of Study of [Respiratory] Gas Exchange."

Sofia, Suvremenna Meditsina, Vol 14, No 4, 1963; pp 55-63.

Abstract : Review of needs for determining the status of oxygen and carbon dioxide respiratory dynamics and of the methods: closed and open, based on interferometry, heat conductivity, paramagnetic properties, IR absorptivity. Six diagrams.

1./1



VURBANOV, V.

Effect of the age and occupation on the time of pulse wave  
spreading in extremities. Izv. inst. fiziol. (Sofia) 8:91-96  
'64.

Age-related changes of the hyperemic reactivity of extremities.  
Ibid.:97-102.

VURBANOVA, A.

Influence of various intensities of interoceptive signals on the  
exteroceptive conditioned responses. Izv biol red. BAN 3 no.3:  
29-38 '59. (EEAI 10:4)

1. Institut po eksperimentalna meditsina pri BAN (Direktor: akad.  
D.Orakhovats)  
(CONDITIONED RESPONSE)

VURBANOVA, A.

On the lability of exteroceptive and interoceptive analysers with electric stimuli at various frequencies. Izv biol med. BAN 3 no.2: 41-52 '59. (EEAI 10:4)

1. Institut po eksperimentalna meditsina pri Bulgarskata akademii na naukite.  
(ELECTROPHYSIOLOGY)

VURBANOVA, A.; PAPAZOVA, M.

Changes in the bioelectric activity of the sensory cortex and the thalamic nuclei by stimulating the mechanoreceptors of the stomach in cats with chronically implanted electrodes. Dokl. bolg. akad. nauk 15 no.6:689-692 '62.

1. Submitted by Academician D. Orahovitch  
(CEREBRAL CORTEX) (THALAMUS) (CELL NUCLEUS)  
(RECEPTORS NEURAL) (STOMACH)